

# Renovations to Recycling Center Baler Facility for The City of Reading

Hill Road  
Reading, Berks County, PA

## DESIGN TEAM

### ARCHITECT:

## Olsen Design Group Architects

2345 Bernville Road  
Reading, PA 19605  
610-371-9606 (FAX) 610-371-9607

### STRUCTURAL ENGINEER:

## Multani Associates

955 Penn Avenue  
Wyomissing, PA 19610  
610-374-0821 (FAX) 610-374-7071

### ELECTRICAL ENGINEER:

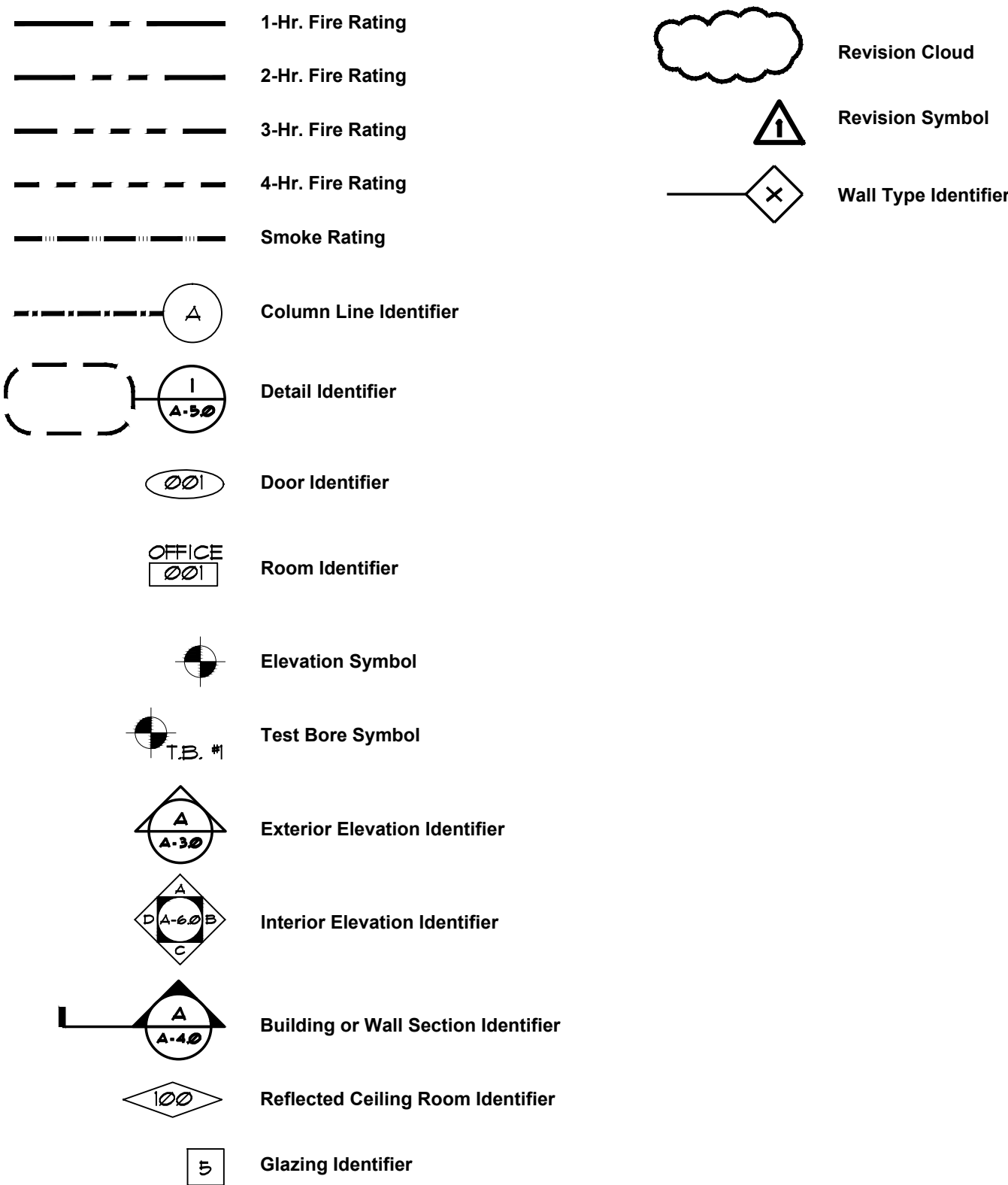
## Wanko+Mitten Energy Systems

508 Chestnut Street  
Hamburg, PA 19526  
610-914-1980 (FAX)

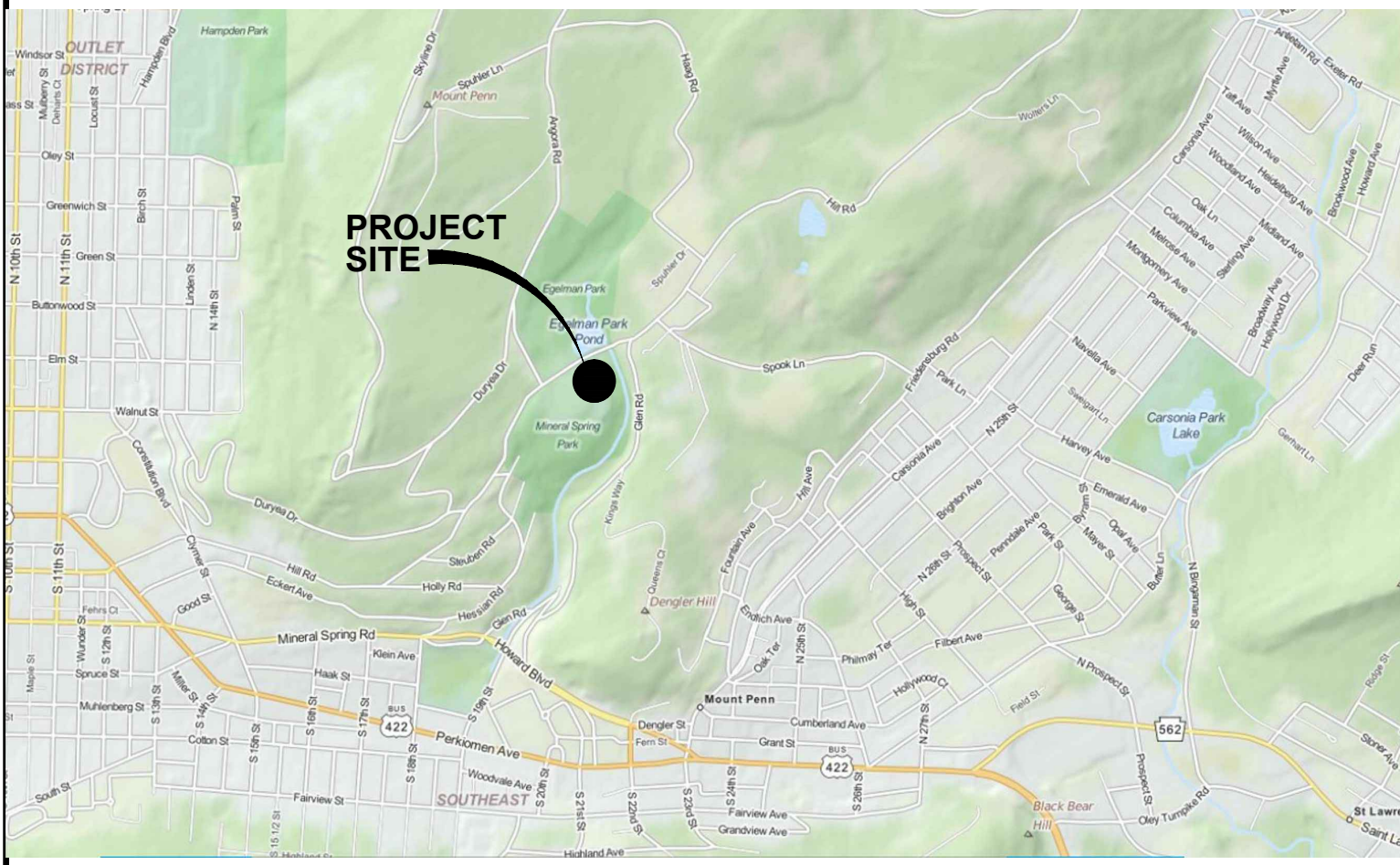
## ABBREVIATIONS

<b>A</b>		<b>L</b>	
@	AT	LAM.	LAMINATE
&	AND	LBL.	LABEL
A.B.	ANCHOR BOLT	LNTL.	LINTEL
A.F.F.	ABOVE FINISHED FLOOR	L.P.	LOW POINT
A.I.B.	AIR INFILTRATION BARRIER	LTG.	
ALUM.	ALUMINUM	<b>M</b>	
ANOD.	ANODIZE	MAS.	MASONRY
APPROX.	APPROXIMATE	MAX.	MAXIMUM
APVD.	APPROVED	MECH.	MECHANICAL
A.T.C.	ACOUSTIC TILE CEILING	M.G.S.	METAL GRAVEL STOP
<b>B</b>		MH.	MANHOLE
BITUM.	BITUMINOUS	MIN.	MINIMUM
BLDG.	BUILDING	MISC.	MISCELLANEOUS
BLKG.	BLOCKING	MTD.	MOUNTED
BM.	BEAM	MTL.	METAL
B.M.	BENCH MARK	<b>N</b>	
B.O.	BOTTOM OF	N.	NORTH
<b>C</b>		N.I.C.	NOT IN CONTRACT
CAB.	CABINET	NO.	NUMBER
C.B.	CATCH BASIN	N.T.S.	NOT TO SCALE
C.D.	CEILING DIFFUSER	<b>O</b>	
CEM.	CEMENT	O.C.	ON CENTER
C. FLSHG.	COUNTER FLASHING	O.D.	OUTSIDE DIAMETER
C.G.	CORNER GUARD	O.H.	OPPOSITE HAND
C.H.	CEILING HEIGHT	OPP.	OPPOSITE
C.J.	CONTROL JOINT	OPNG.	OPENING
C.L.	CENTER LINE	<b>P</b>	
CLG.	CEILING	P.I.P.	POURED IN PLACE
CLR.	CLEAR	P. LAM.	PLASTIC LAMINATE
COL.	COLUMN	PLUMB.	PLUMBING
CPT.	CARPET	PNL.	PANEL
CONC.	CONCRETE	PR.	PAIR
CONT.	CONTINUOUS	PRCST.	PRECAST
CRNR.	CORNER	PROJ.	PROJECT
C.T.	CERAMIC TILE	P.T.	PRESSURE TREATED
C.W.	CURTAIN WALL	PTD.	PAINTED
<b>D</b>		<b>Q</b>	
D.	DEPTH	Q.C.	QUALITY CONTROL
DBL.	DOUBLE	QTY.	QUANTITY
DET.	DETAIL	<b>R</b>	
DIA.	DIAMETER	R.	RISER
DIM.	DIMENSION	RAD.	RADIUS
DIV.	DIVISION	R.C.P.	REFLECTED CEILING PLAN
DR.	DOOR	RCPT.	RECEPTACLE
DWG.	DRAWING	R.D.	ROOF DRAIN
<b>E</b>		REF.	REFERENCE
E.C.	ELECTRICAL CONTRACTOR	REINF.	REINFORCE
E.FLSH	ELASTOMERIC FLASHING	REM.	REMOVABLE
E.J.	EXPANSION JOINT	REQ.	REQUIRE
EL.	ELEVATION	RESIL.	RESILIENT
ELEC.	ELECTRIC	REV.	REVISION
EQ.	EQUAL	RFG.	ROOFING
EQUIP.	EQUIPMENT	R.O.	ROUGH OPENING
E.S.	EXPOSED STRUCTURE	R.W.C.	RAIN WATER CONDUCTOR
E.W.C.	ELECTRIC WATER COOLER	<b>S</b>	
EXH.	EXHAUST	S.	SOUTH
EXIST.	EXISTING	SCHED.	SCHEDULE
EXT.	EXTERIOR	S.F.	SQUARE FOOT
<b>F</b>		S.H.	SOFFIT HEIGHT
F.A.	FIRE ALARM	SIM.	SIMILAR
F.D.	FLOOR DRAIN	SPECS.	SPECIFICATIONS
F.E.	FIRE EXTINGUISHER	SQ.	SQUARE
F.F.	FINISHED FLOOR	S.S.	STAINLESS STEEL
F.H.C.	FIRE HOSE CABINET	STL.	STEEL
FIN.	FINISH	S.V.T.	SOLID VINYL TILE
FLSH.	FLASHING	STN.	STONE
F.O.	FACE OF	STOR.	STORAGE
FT.	FOOT	STRUCT.	STRUCTURE
<b>G</b>		S.W.C.	SHEET WALL COVERING
GALV.	GALVANIZED	<b>T</b>	
G.C.	GENERAL CONTRACTOR	TEL.	TELEPHONE
GL.	GLASS	TEMP.	TEMPORARY
GLZD.	GLAZED	T.O.S.	TOP OF STEEL
GRD.	GROUND	TYP.	TYPICAL
G.W.B.	GYPSPUM WALL BOARD	<b>U</b>	
<b>H</b>		U.O.N.	UNLESS OTHERWISE NOTED
H.	HIGH	<b>V</b>	
HDW.	HARDWARE	V.B.	VAPOR BARRIER
H.M.	HOLLOW METAL	V.C.T.	VINYL COMPOSITION TILE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
H.P.	HIGH POINT	VEST.	VESTIBULE
HT.	HEIGHT	VIN.	VINYL
<b>I</b>		V.I.F.	VERIFY IN FIELD
I.D.	INSIDE DIAMETER	<b>W</b>	
I.M.P.	INSULATED METAL PANEL	W.	WIDE or WEST
ILLUM.	ILLUMINATED	W. BLKG.	WOOD BLOCKING
INCAND.	INCANDESCENT	WD.	WOOD
INFO.	INFORMATION	WK.	WORK
INSUL.	INSULATED	W/	WITH
INT.	INTERIOR	W/O	WITHOUT
<b>J</b>		W.O.	WINDOW OPENING
JT.	JOINT	WP.	WATERPROOF
		W.R.	WATER RESISTANT
		WTHP.	WEATHERPROOF

## GRAPHIC SYMBOL LEGEND



## SITE LOCATION PLAN



## CONTACT PERSON(s)

Lee C. Olsen, AIA, NCARB, Principal - In - Charge  
Scott W. Weber, Project Manager

## Olsen Design Group Architects

2345 Bernville Road

Reading, Pennsylvania 19605

PHONE : 610 - 371 - 9606

FAX : 610 - 371 - 9607

E-Mail: lsmith@odgarchitects.com

## ISSUE DATES

CLIENT 30% REVIEW :	N/A
CLIENT 60% REVIEW :	6/18/2014
CLIENT 90% REVIEW :	7/2/2014
ISSUED FOR ACCESSIBILITY PLAN REVIEW :	7/8/2014
ISSUED FOR CODE REVIEW :	7/8/2014
ISSUED FOR BIDDING :	7/8/2014
ISSUED FOR PERMITS :	
ISSUED FOR CONSTRUCTION :	

## BUILDING CODE REVIEW

REFERENCE CODE: 2009 INTERNATIONAL BUILDING CODE

☐ NEW CONSTRUCTION ☒ RENOVATIONS TO EXISTING BUILDING ☐ ADDITION(S) ☐ ALTERATION(S)

PROPOSED USE: RECYCLING CENTER FOR BALER FACILITY

OWNER / CONTACT PERSON: THE CITY OF READING  
RECYCLING / SOLID WASTE  
FRANK B. DENBOWSKI, DIVISION MANAGER

PHONE: 610-655-6049

CODE ENFORCEMENT JURISDICTION: ☒ LOCAL ☐ STATE

LEAD DESIGN PROFESSIONAL:

DISCIPLINE: NAME: LICENSE #:

ARCHITECTURAL Lee C. Olsen, AIA, NCARB 0086452-X

ELECTRICAL BENJAMIN MITTEN, P.E., LEED AP, PE078291

USE & OCCUPANCY CLASSIFICATION:

S-1 STORAGE MODERATE HAZARD

BUILDING DATA:

CONSTRUCTION TYPE: V- B

BUILDING HEIGHT AND AREA

MAX. HEIGHT: 1 STORY

MAX. AREA: 9,000 SQ. FT.

ALLOWABLE INCREASE: N/A

AREA SUMMARY:

NUMBER OF STORIES/SQ. FT: ?? / ??

FLOOR	OVERALL FLOOR SQ. FT.	PROJECT SQ. FT.	PERCENT (%) OF FLOOR AFFECTED
MAIN LEVEL	3,426	979	28.6%

OCCUPANCY DATA:

SPACE:

BALER ROOM 979 SQ. FT. / 300 = 3.26  
4 OCCUPANTS

REQUIRED EGRESS:

SPACE:  
4 OCCUPANTS (.30) = 1.2" REQ'D / 34.25" PROVIDED

## FIRE RESISTANCE RATING (HOURS) S-1 STORAGE

BUILDING ELEMENT	RATING	REFERENCE CODE SECTION/EXCEPTIONS	FIRE SEPARATION DISTANCE (FEET)
		TABLE 601	
STRUCTURAL FRAME, COLUMNS, GIRDERS, & TRUSSES	0	--	--
BEARING WALLS			
EXTERIOR	0	--	--
INTERIOR	0	--	--
NONBEARING WALLS & PARTITIONS			
EXTERIOR	0	--	--
INTERIOR	0	--	--
FLR. CONST. SUPPORT BEAMS, & JOISTS	0	--	--
ROOF CONST. SUPPORT BEAMS, & JOISTS	0	--	--
SHAFT - EXIST	0	--	--
SHAFT - OTHER	0	--	--
CORRIDOR SEPARATION	N/A	--	--
OCCUPANCY SEPARATION	N/A	--	--
PARTY / FIREWALL SEPARATION	N/A	--	--
SMOKE BARRIER SEPARATION	N/A	--	--
TENANT SEPARATION	N/A	--	--

LIFE SAFETY SYSTEM REQUIREMENTS:

EMERGENCY LIGHTING:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> HAS BEEN PROVIDED	SECTION 1008.1.
FIRE ALARM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	SECTION 907.
SMOKE DETECTION SYSTEM:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	SECTION 907.
PANIC HARDWARE:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	SECTION 1008.1.10.
SPRINKLERS:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	SECTION 903.2.9.
AREA OF REFUGE:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	TABLE 1016.1
EXIT SIGNS:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> HAS BEEN PROVIDED	SECTION 1011.1.1.

NOTES:

\* NO PUBLIC WATER OR SEWERAGE ON SITE.

\*\* TABLE 1016.1 EXIT ACCESS TRAVEL DISTANCE FOR S-1 STORAGE, WITHOUT SPRINKLER SYSTEM IS 200 FEET.

## OWNER'S CONSTRUCTION DOCUMENT

### FINAL REVIEW AND APPROVAL:

HAVING REVIEWED THE FOLLOWING DOCUMENTS, I HEREBY GIVE MY APPROVAL THE DRAWINGS AND SPECIFICATIONS CONTAINED WITHIN TO MOVE TO THE NEXT PHASE OF THIS PROJECT.

ANY CORRECTIONS TO THE DOCUMENT HAVE BEEN MARKED IN RED OR WILL BE SENT TO OLSEN DESIGN GROUP ARCHITECTS IN WRITING WITHIN THE NEXT FIVE (5) WORKING DAYS.

SIGNATURE: TITLE: DATE:

## DRAWING INDEX

### DRAWING # TITLE

A-0.0 ..... TITLE SHEET

### ARCHITECTURAL:

D-1.0 ..... DEMOLITION PLAN

A-1.0 ..... NEW WORK PLAN

A-4.0 ..... SECTIONS & DETAILS

### ELECTRICAL:

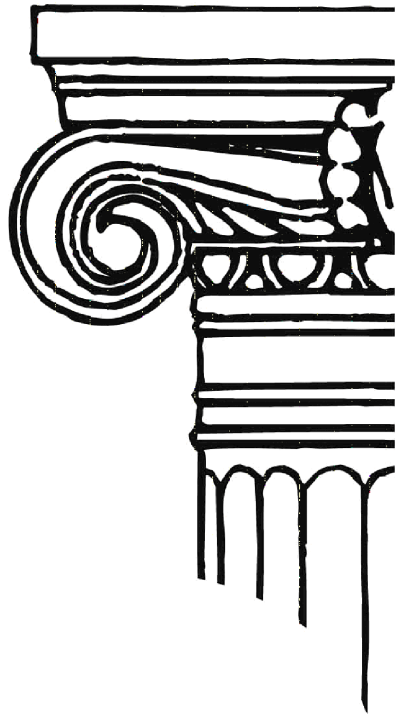
E-0.01 ..... ELECTRICAL INFORMATION SHEET

E-2.01 ..... ELECTRICAL FLOOR PLAN POWER / LIGHTING

E-6.01 ..... ELECTRICAL SCHEDULES AND SINGLE LINE DIAGRAM

E-8.01 ..... ELECTRICAL DETAILS

E-9.01 ..... ELECTRICAL SPECIFICATIONS



OLSEN  
DESIGN GROUP  
ARCHITECTS


# 14019

Renovation to Recycling Center Baler Facility for  
The City of Reading



- (1) REMOVE EXISTING CONCRETE FLOOR SLAB AND EARTH TO RECEIVE NEW 6" CONCRETE SLAB.
- (2) REMOVE EXISTING ASPHALT PAVING AND EARTH TO RECEIVE NEW 6" CONCRETE SLAB.
- (3) REMOVE EXISTING EARTH TO RECEIVE NEW 6" CONCRETE SLAB.
- (4) PROVIDE TRENCH FOR NEW ELECTRICAL SERVICE FROM HILL ROAD +/- 50' AWAY.
- (5) REMOVE EXISTING DOOR AND DOOR FRAME.
- (6) REMOVE EXISTING OVERHEAD GARAGE DOOR, TRACK AND FRAME.
- (7) PROVIDE NEW 3'-4 1/2" x 1'-4 1/4" M.O. FOR NEW DOOR FRAME (CUT OUT EXISTING CMU FOR INSTALLATION OF NEW LINTEL.)
- (8) REMOVE EXISTING CONCRETE COLUMN.



Seal:  Drawing No: **D-1.0**



DOOR SCHEDULE:

\*1. STANDARD DOOR AND FRAME:

- (1) #16 #3" MAS 10 HINGE JAMB
- (1) #16 #3" MAS 10 STRIKE JAMB
- (1) #16 #3" MAS 30 4" HEADER
- H.M. FRAME - WELDED
- FRAME REINFORCEMENT
- (1) 3070 PIONEER 161 H.M. DOOR
- (1) VSL 5"x35" LITE KIT, BRONZE 1"
- (1) 4"x34"x3" SAFETY GLASS
- (3) STANLEY FEBBI 48x45 NRP 26D
- (1) LON 1461 SWP9 x 18BRT 4 COVER ALUM. CLOSER
- (1) SCHLAGE NDS3LD RHODES 626 ENTRY LOCK
- (1) SCHLAGE CYLINDER 40-100 626 1" C1 CLASSIC
- (1) 3107 WEATHERSTOP / THRESHOLD SET
- (1) A.D.A. APPROVED SIGNAGE

\*2. OVERHEAD DOOR:

- OVERHEAD DOOR CORPORATION OR EQUAL
- 430 SERIES SECTIONAL DOOR
- QTY. OF DOORS: TWO (2)
- DOOR SIZE: 16'-2" WIDE x 11'-4" HEIGHT
- EXISTING DOOR OPENINGS: 16'-0" WIDE x 11'-3" HEIGHT
- JAMB TYPE: WOOD/BLOCKING
- NOMINAL 24 GA. ROLL-FORMED GALVANIZED STEEL SECTIONS
- CONSTRUCTED w/ RABBETTED MEETING RAILS TO FORM LEATHER TIGHT JOINTS
- 16 GA. CENTER AND END STILES
- 2" SECTION THICKNESS
- HINGES, TRACKS, AND FIXTURES TO BE GALVANIZED
- OPTIONAL HEAVY HARDWARE
- (1) #3 MANUAL CHAIN HOIST 1.75:1 RATIO (CAST WHEELS) (INCLUD 1" SOLID SHAFT)
- THE REMOVAL AND DISPOSAL OF ONE (1) EXISTING DOOR
- MINOR JAMB WORK (REMOVAL OF EXISTING WOOD JAMBS AND THE INSTALLATION OF WOOD JAMBS FOR THE EXISTING OPENINGS).

ALTERNATE \*2. (MOTORIZED GARAGE DOORS):

- MOTOR OPERATOR FOR SECTIONAL DOOR
- MODEL OPERATOR: 95L
- HPI: 1
- TYPE MOUNTING: SIDE MOUNTED
- OPERATOR CONTROL: INTERIOR PUSH-BUTTON STATION
- SURFACE MOUNTED
- THREE BUTTON - OPEN / CLOSE / STOP
- NEHA I
- ENTRAPMENT PROTECTION: PNEUMATIC SENSING EDGE

PAINT SPECIFICATION:

FOR BASE BID 4 ALTERNATE \*4 BID

PART 1 - GENERAL

1.1 SECTION INCLUDES:

- THIS SECTION INCLUDES THE SURFACE PREPARATION, AND APPLICATION OF PAINTS, COATINGS, AND FINISHES ON EXPOSED EXTERIOR AND INTERIOR ITEMS AND SURFACES. THE EXTENT OF PAINTING IS INDICATED IN THE DRAWINGS. THE PREPARATION AND FINISHING OF SURFACES SPECIFIED IN THIS SECTION ARE IN ADDITION TO THE SHOP PRIMING AND PAINTING SPECIFIED IN OTHER SECTIONS.
- PAINT EXPOSED SURFACES (WEATHER OR NOT) COLORS ARE DESIGNATED IN SCHEDULES, EXCEPT WHERE A MATERIAL IS SPECIFICALLY NOTED NOT TO BE PAINTED OR TO REMAIN NATURAL. WHERE AN ITEM IS NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT SURFACES. IF COLOR OR FINISH IS NOT DESIGNATED, THE ARCHITECT WILL SELECT A COLOR FROM THE COATING MANUFACTURER'S STANDARD COLOR RANGE.
- SUBMITTALS:
  - SUBMIT TWO SAMPLES, EACH ILLUSTRATING THE FULL RANGE OF COLORS AND TEXTURES AVAILABLE FOR EACH SURFACE FINISHING PRODUCT SPECIFIED.
- QUALITY ASSURANCE
  - PERFORM WORK IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS FOR PREPARATION OF SURFACES AND MATERIAL APPLICATION.
  - CONTRACTOR SHALL COORDINATE WORK OF ALL SPECIFICATION SECTIONS TO ENSURE THAT ALL PRIMERS AND UNDERCOATS ARE COMPATIBLE WITH FINISHING PRODUCTS.
  - PROVIDE PRIMER AND UNDERCOAT PRODUCTS PRODUCED BY SAME MANUFACTURER AS FINISH PRODUCTS.
- ENVIRONMENTAL CONDITIONS:
  - DO NOT APPLY MATERIALS WHEN SURFACE AND AMBIENT TEMPERATURES ARE OUTSIDE OF THE TEMPERATURE RANGES REQUIRED BY THE PAINT PRODUCT MANUFACTURER.
  - APPLY WATER-BASED PAINTS ONLY WHEN THE SURFACE AND AMBIENT TEMPERATURES ARE BETWEEN 50 DEGREE AND 90 DEGREE F. APPLY SOLVENT-THINNED PAINTS ONLY WHEN THE SURFACE AND AMBIENT TEMPERATURES ARE BETWEEN 45 DEGREE AND 95 DEGREE F.
  - DO NOT APPLY ANY EXTERIOR COATINGS DURING RAIN, SLEET, OR SNOW, WHEN ANY PRECIPITATION IS IMMINENT, OR WHEN RELATIVE HUMIDITY IS OUTSIDE THE HUMIDITY RANGE REQUIRED BY THE COATING PRODUCT MANUFACTURER.

PART 2 - PRODUCTS

2.1 MANUFACTURERS:

- ACCEPTABLE MANUFACTURERS OF PAINT:
  - THE GLIDDEN COMPANY
  - THE SHERWIN-WILLIAMS COMPANY
  - BENJAMIN MOORE AND COMPANY
  - OR ANY EQUAL

2.2 MATERIALS:

- COATINGS, READY-MIXED, EXCEPT FIELD-CRYSTALLIZED COATINGS, PROCESS PIGMENTS TO A SOFT PASTE CONSISTENCY, CAPABLE OF BEING READILY AND UNIFORMLY DISPERSED TO A HOMOGENEOUS COATING, GOOD FLOW AND BRUSHING QUALITIES, CAPABLE OF DRYING OR CURING FREE OF STREAKS OR SAGS.
- PATCHING MATERIALS: LATEX FILLER
- FINISHES:
  - REFER TO SCHEDULES AT THE END OF THIS SECTION.

PART 3 - EXECUTION

3.1 EXAMINATION:

- VERIFY THAT SITE CONDITIONS AND SURFACES ARE CLEAN, DRY, FREE OF DEBRIS, AND READY TO RECEIVE WORK AS INSTRUCTED BY THE PRODUCT MANUFACTURER.
- EXAMINE SURFACES TO BE FINISHED PRIOR TO COMMENCEMENT OF WORK. REPORT AND CORRECT ANY CONDITION THAT MAY POTENTIALLY AFFECT PROPER APPLICATION OF PAINTS.
- CONFIRM THAT SURFACES, PRIMERS, AND FINISH PAINT MATERIALS ARE COMPATIBLE.

3.2 PREPARATION

- IF AN AREA HAS BEEN DAMAGED DURING CONSTRUCTION OPERATIONS AND REQUIRES REFINISHING, THE ENTIRE SURFACE SHALL BE REFINISHED, I.E. AN ENTIRE WALL OF A ROOM FROM CORNER TO CORNER OR AN ENTIRE SOFFIT, FROM CORNER TO CORNER, MATCH EXISTING PAINT COLORS AS CLOSELY AS POSSIBLE.
- WHERE NEW WORK ADJUTS OR ALIGNS WITH EXISTING, PERFORM A SMOOTH AND EVEN TRANSITION. PATCH WORK TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, COLOR AND APPEARANCE.
- REMOVE ANY PLATES, HARDWARE, LIGHT FIXTURE TRIM, ESCUTCHEONS, AND FITTINGS IN THE AREA TO BE REFINISHED PRIOR TO PREPARING SURFACES OR FINISHING.
- CORRECT DEFECTS AND CLEAN SURFACES WHICH AFFECT WORK OF THIS SECTION. REMOVE EXISTING COATINGS THAT EXHIBIT LOOSE SURFACE DEFECTS.
- SEAL WITH SHELLAC AND SEAL MARKS WHICH MAY BLEED THROUGH SURFACE FINISHES.
- IMPERVIOUS SURFACES: REMOVE MILDEW BY SCRUBBING WITH SOLUTION OF TRI-SODIUM PHOSPHATE AND BLEACH. RINSE WELL WITH CLEAN WATER AND ALLOW SURFACES TO DRY THOROUGHLY.
- GALVANIZED SURFACES: REMOVE SURFACE CONTAMINATION AND OILS AND WASH WITH SOLVENT. APPLY COAT OF ETCHING PRIMER.
- WOOD WITH OPAQUE FINISH: ENSURE THAT ALL NAILS OR SCREWS ARE INSTALLED TO JUST BELOW WOOD SURFACE. SCRAPE AND REMOVE ANY LOOSE, CRACKED OR PEELING PAINT AND DIRT THOROUGHLY. SAND ALL SURFACES TO BE FINISHED. SEAL KNOTS, RITCH STREAKS, AND SAPPLY SECTIONS. AFTER INITIAL PRIME COAT, FILL ANY CRACKS, VOIDS, RECESSES AND NAIL HOLES WITH FILLER COMPOUND THAT IS COMPATIBLE WITH SUBSEQUENT FINISHING.

3.3 APPLICATION:

- APPLY PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. USE BRUSHES, ROLLERS, AND APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.
- DO NOT APPLY FINISHES TO SURFACES THAT ARE NOT DRY.
- PAINT COLORS, SURFACE TREATMENTS, AND FINISHES ARE INDICATED IN COLOR SCHEDULE.
- APPLY EACH COAT TO A UNIFORM THICKNESS AND TO COMPLETELY COVER THE SURFACE TO THE THICKNESS RECOMMENDED BY THE MANUFACTURER.
- APPLY EACH COAT OF PAINT SLIGHTLY DARKER THAN THE PRECEDING COAT UNLESS OTHERWISE APPROVED.
- DO NOT APPLY SUCCEEDING COATS UNTIL PREVIOUS COAT HAS DRIED AND CURED AS RECOMMENDED BY MANUFACTURER.
- SAND WOOD GYPSUM, PLASTER AND METAL SURFACES LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH. THOROUGHLY BRUSH OR VACUUM CLEAN SURFACES FREE OF LOOSE PARTICLES OR DUST BEFORE APPLYING SUBSEQUENT COAT(S).
- PAINT DOORS ON TOP, BOTTOM AND SIDE EDGES SAME AS FACES.
- SAND LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT.
- FINISH SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS EQUIVALENT EXPOSED SURFACES. PAINT SURFACES BEHIND PERMANENTLY FIXED EQUIPMENT AND FURNITURE WITH PRIME COAT ONLY BEFORE INSTALLATION OF EQUIPMENT AND FURNITURE.

3.4 CLEANING:

- COLLECT WASTE MATERIAL WHICH MAY CONSTITUTE A FIRE HAZARD, PLACE IN CLOSED CONTAINER AND REMOVE DAILY FROM SITE.
- MAINTAIN SITE FREE OF TRASH AND RUBBISH AND IN AN ORDERLY MANNER.

3.5 SCHEDULE - SHOP PRIMED ITEMS

- PAINT EXPOSED METAL SURFACES OF LINTEL, LADDERS, STAIRS, AND MISCELLANEOUS METAL ITEMS SPECIFIED.

3.6 SCHEDULE - EXTERIOR SURFACES

- GYPSUM BOARD AND CEMENT PLASTER SOFFITS:
  - ONE COAT OF LATEX PRIMER SEALER
  - TWO COATS OF FLAT LATEX PAINT
- STEEL - UNPRIMED:
  - ONE COAT OF ALKYD PRIMER
  - TWO COATS OF ALKYD GLOSS ENAMEL
- STEEL - SHOP PRIMED:
  - TOUCH-UP WITH ZINC CHROMATE PRIMER
  - TWO COATS OF ALKYD GLOSS ENAMEL

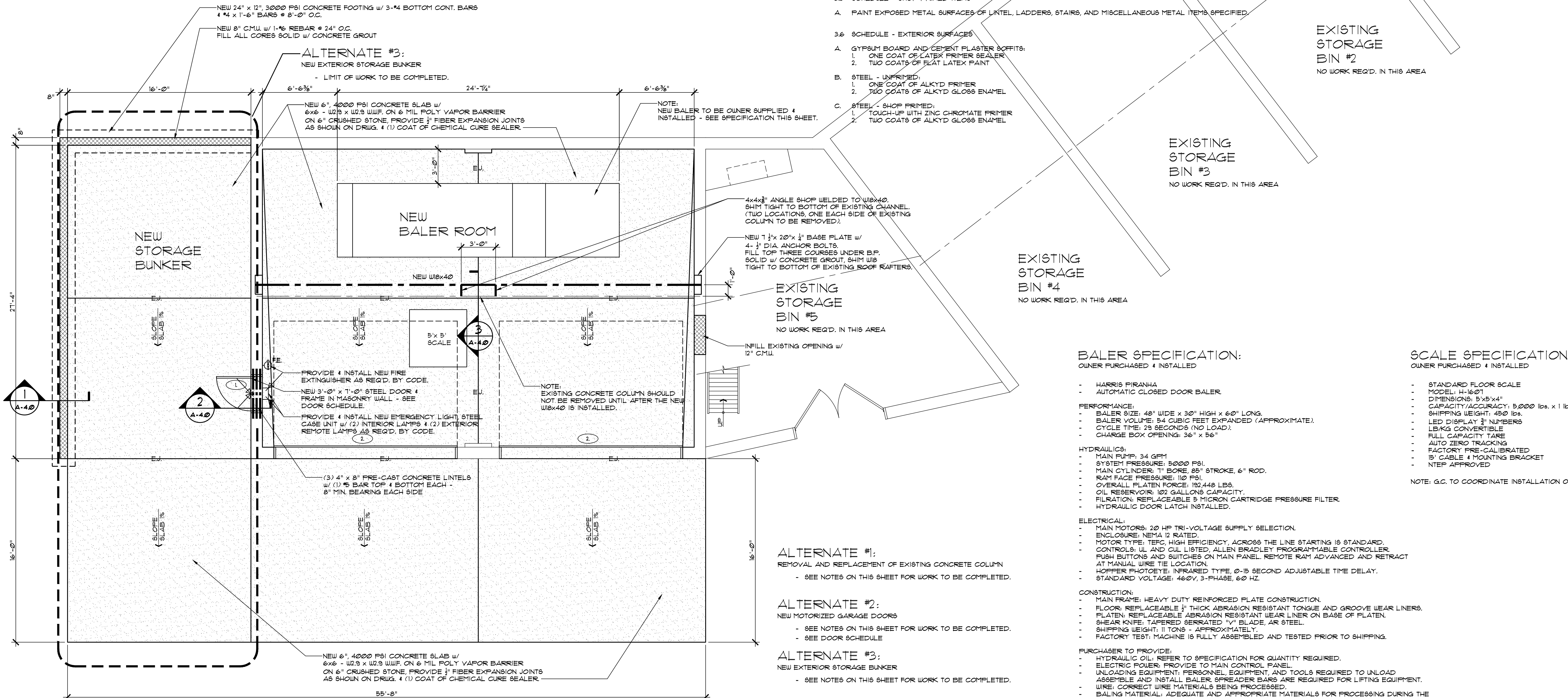
- STEEL - GALVANIZED:
  - ONE COAT OF GALVANIZE PRIMER
  - TWO COATS OF ALKYD GLOSS ENAMEL

- WOOD TRIM:
  - ONE COAT OF ALKYD PRIMER
  - TWO COATS OF ALKYD SEMI-GLOSS ENAMEL

- CONCRETE MASONRY UNITS:
  - ONE COAT OF ACRYLIC LATEX BLOCK FILLER
  - TWO COATS OF FLAT LATEX

3.7 SCHEDULE - INTERIOR SURFACES:

- WOOD - PAINTED:
  - ONE COAT OF LATEX PRIMER SEALER
  - TWO COATS OF SEMI-GLOSS LATEX ENAMEL
- STEEL - PRIMED AND EXPOSED:
  - ONE COAT OF ALKYD PRIMER
  - TWO COATS OF SEMI-GLOSS ALKYD ENAMEL
- STEEL - PRIMED AND EXPOSED:
  - TOUCH-UP WITH ALKYD PRIMER
  - TWO COATS OF SEMI-GLOSS ALKYD ENAMEL
- STEEL - GALVANIZED AND EXPOSED:
  - ONE COAT OF GALVANIZED PRIMER
  - TWO COATS OF SEMI-GLOSS ALKYD ENAMEL
- CONCRETE MASONRY UNITS:
  - ONE COAT OF ACRYLIC LATEX BLOCK FILLER
  - TWO COATS OF FLAT LATEX
- GYPSUM BOARD AND PLASTER:
  - ONE COAT OF LATEX PRIMER SEALER
  - TWO COATS OF LATEX EGGSHELL ENAMEL
- WOOD TRIM:
  - ONE COAT OF LATEX PRIMER SEALER
  - TWO COATS OF LATEX SEMI-GLOSS ENAMEL
- CONCRETE FLOORS:
  - TWO COATS OF DUST SEALER



ALTERNATE #1:  
REMOVAL AND REPLACEMENT OF EXISTING CONCRETE COLUMN  
- SEE NOTES ON THIS SHEET FOR WORK TO BE COMPLETED.

ALTERNATE #2:  
NEW MOTORIZED GARAGE DOORS  
- SEE NOTES ON THIS SHEET FOR WORK TO BE COMPLETED.  
- SEE DOOR SCHEDULE

ALTERNATE #3:  
NEW EXTERIOR STORAGE BUNKER  
- SEE NOTES ON THIS SHEET FOR WORK TO BE COMPLETED.

ALTERNATE #4:  
PAINTING OF EXISTING INTERIOR CMU WALLS  
- SEE NOTES ON THIS SHEET FOR WORK TO BE COMPLETED.  
- SEE PAINT SPECIFICATION

BALER SPECIFICATION:

OWNER PURCHASED & INSTALLED

- HARRIS PIRANHA
- AUTOMATIC CLOSED DOOR BALER

PERFORMANCE:

- BALER SIZE: 48" WIDE x 30" HIGH x 60" LONG.
- BALER VOLUME: 54 CUBIC FEET EXPANDED (APPROXIMATE).
- CYCLE TIME: 19 SECONDS (NO LOAD).
- CHARGE BOX OPENING: 36" x 56"

HYDRAULICS:

- MAIN PUMP: 34 GPM
- SYSTEM PRESSURE: 5000 PSI
- MAIN CYLINDER: 1" BORE, 88" STROKE, 6" ROD.
- RAM FACE PRESSURE: 110 PSI
- OVERALL FLATEN FORCE: 192,448 LBS.
- OIL RESERVOIR: 100 GALLONS CAPACITY.
- FILTRATION: REPLACEABLE 5 MICRON CARTRIDGE PRESSURE FILTER.
- HYDRAULIC DOOR LATCH INSTALLED.

ELECTRICAL:

- MAIN MOTORS: 20 HP TRI-VOLTAGE SUPPLY SELECTION.
- ENCLOSURE: NEHA 12 RATED.
- MOTOR TYPE: TEF, HIGH EFFICIENCY, ACROSS THE LINE STARTING IS STANDARD.
- CONTROLS: UL AND CUL LISTED, ALLEN BRADLEY PROGRAMMABLE CONTROLLER.
- RUSH BUTTONS AND SWITCHES ON MAIN PANEL. REMOTE RAM ADVANCED AND RETRACT.
- AT MANUAL WIRE TIE LOCATION.
- HOPPER PHOTOEYE: INFRARED TYPE, 0-15 SECOND ADJUSTABLE TIME DELAY.
- STANDARD VOLTAGE: 460V, 3-PHASE, 60 HZ.

CONSTRUCTION:

- MAIN FRAME: HEAVY DUTY REINFORCED PLATE CONSTRUCTION.
- FLOOR: REPLACEABLE 1/2" THICK ABRASION RESISTANT TONGUE AND GROOVE WEAR LINERS.
- FLATEN: REPLACEABLE ABRASION RESISTANT WEAR LINER ON BASE OF FLATEN.
- SHEAR KNIFE: TAPERED SERRATED 1/4" BLADE, AIR STEEL.
- SHIPPING WEIGHT: 11 TONS - APPROXIMATELY.
- FACTORY TEST: MACHINE IS FULLY ASSEMBLED AND TESTED PRIOR TO SHIPPING.

PURCHASER TO PROVIDE:

- HYDRAULIC OIL: REFER TO SPECIFICATION FOR QUANTITY REQUIRED.
- ELECTRIC POWER: PROVIDE TO MAIN CONTROL PANEL.
- UNLOADING EQUIPMENT: PERSONNEL, EQUIPMENT, AND TOOLS REQUIRED TO UNLOAD.
- ASSEMBLE AND INSTALL BALER. SPREADER BARS ARE REQUIRED FOR LIFTING EQUIPMENT.
- WIRE: CORRECT WIRE MATERIALS BEING PROCESSED.
- BALING MATERIAL: ADEQUATE AND APPROPRIATE MATERIALS FOR PROCESSING DURING THE START-UP / TRAINING PERIOD. THE CITY MUST HAVE AN ELECTRICIAN ON SITE THE DAY OF MACHINERY START-UP AND TRAINING TO WIRE BALER.
- SAFETY: REFER TO INSTALLATION AND SAFETY GUIDELINES ATTACHED.
- MAINTENANCE: TOOLS AND SPARE PARTS FOR PERFORMING MAINTENANCE, ADJUSTMENTS AND TROUBLESHOOTING.

NOTE: G.C. TO COORDINATE INSTALLATION OF NEW BALER.

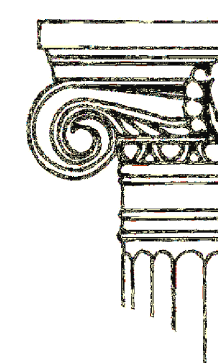
SCALE SPECIFICATION:

OWNER PURCHASED & INSTALLED

- STANDARD FLOOR SCALE
- MODEL: H-1601
- DIMENSIONS: 5'x5'x4"
- CAPACITY/ACCURACY: 5,000 lbs. x 1 lb.
- SHIPPING WEIGHT: 480 lbs.
- LBS/GS CONVERTIBLE
- FULL CAPACITY TARE
- AUTO ZERO TRACKING
- FACTORY PRE-CALIBRATED
- 1/5" CABLE & MOUNTING BRACKET
- NTEP APPROVED

NOTE: G.C. TO COORDINATE INSTALLATION OF NEW SCALE.

SUSTAINABLE  
PLANNING  
ARCHITECTURE  
INTERIOR DESIGN



OLSEN  
DESIGN  
GROUP  
ARCHITECTS

2345 Bernville Road  
Reading, PA 19605  
610.371.9606  
Fax 610.371.9607  
www.odgarchitects.com

COPYRIGHT © 2014  
ALL RIGHTS RESERVED. NEITHER ALL NOR ANY PART OF THIS DOCUMENT  
MAY BE REPRODUCED, REPRODUCED, COPIED OR USED IN ANY FORM OR  
MANNER EXCEPT PURSUANT TO CONTRACT WITH OR WITH THE SPECIFIC  
WRITTEN PERMISSION OF Olsen Design Group Architects, Inc.  
PROPERTY RIGHTS ARE EXPRESSLY RESERVED BY Olsen Design Group Architects, Inc.

Multani Associates, Inc.

955 Penn Avenue  
Wyomissing, PA 19610  
610-374-0821 (FAX) 610-374-7071

Wanko + Mitten Energy Systems

508 Chestnut Streer  
Hamburg, PA 19528  
610-914-1980 (FAX)

Renovations to  
Recycling Center Baler Facility for  
**The City of Reading**  
Hill Road  
Reading, Berks County, PA

Date	Activities	Dwg By	Chk By
1/14/14	ISSUED FOR BIDDING	SWW	LWS

Revisions:

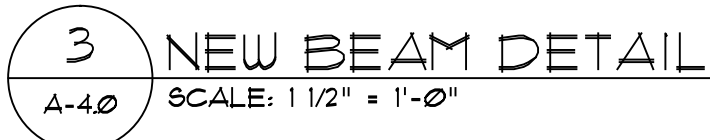
Drawing Title:

NEW WORK PLAN

Project No:	Scale:
14019	AS NOTED
Drawn By:	Contract Date:
SWW	
Checked By:	Last Update:
LWS	1/6/14

Seal:	Drawing No:
	A-1.0





**COPYRIGHT © 2014**  
ALL RIGHTS RESERVED, NEITHER ALL NOR ANY PART OF THIS DOCUMENT  
MAY BE AMENDED, REPRODUCED, COPIED OR USED IN ANY FORM OR  
MANNER EXCEPT PURSUANT TO CONTRACT WITH OR WITH THE SPECIFIC  
WRITTEN PERMISSION OF: Olsen Design Group Architects, Inc.  
PROPERTY RIGHTS ARE EXPRESSLY RESERVED BY Olsen Design Group Architects, Inc.

955 Penn Avenue  
Wyomissing, PA 19610  
610-374-0821 (FAX) 610-374-7071

508 Chestnut Streer  
Hamburg, PA 19526  
610-914-1980 (FAX)

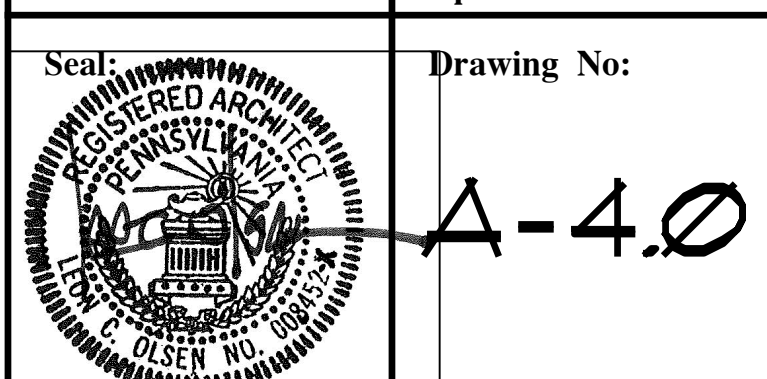
Renovations to  
Recycling Center Baler Facility for  
**The City of Reading**  
Hill Road  
Reading, Berks County, PA


	7/8/14	ISSUED FOR BIDDING	SWW	LWS
△	Date	Activities	Dwg By	Chk By

Revisions:

Drawing Title:  
SECTIONS & DETAILS

Project No: 14019	Scale: AS NOTED
Drawn By: SWW	Contract Date:
Checked By: LWS	Last Update: 7/6/14









COPYRIGHT © 2014  
ALL RIGHTS RESERVED. NEITHER ALL NOR ANY PART OF THIS DOCUMENT  
MAY BE AMENDED, REPRODUCED, COPIED OR USED IN ANY FORM OR  
MANNER EXCEPT PURSUANT TO CONTRACT WITH OR WITH THE SPECIFIC  
WRITTEN PERMISSION OF Olsen Design Group Architects, Inc.  
PROPERTY RIGHTS ARE EXPRESSLY RESERVED BY Olsen Design Group Architects, Inc.

Multani Associates, Inc.

955 Penn Avenue  
Wyomissing, PA 19610  
610-374-0821 (FAX) 610-374-7071

Wanko + Mitten Energy Systems

508 Chestnut Streer  
Hamburg, PA 19526  
610-914-1980 (FAX)

Renovations to  
Recycling Center Baler Facility for

The City of Reading

Hill Road  
Reading, Berks County, PA

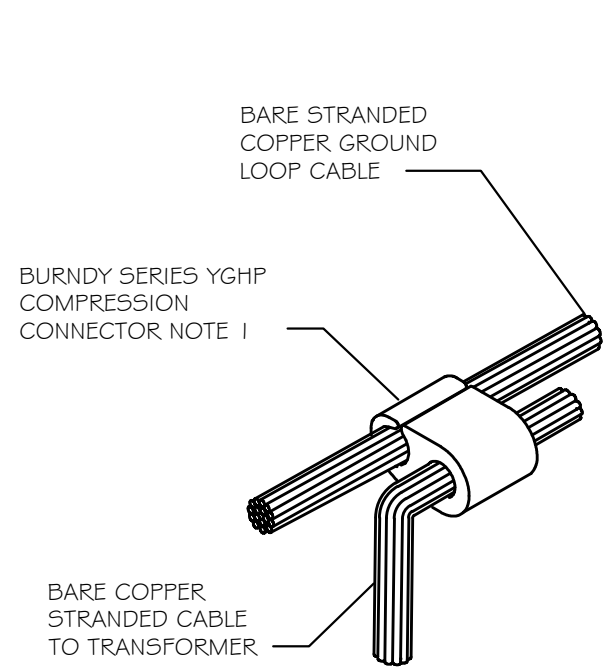
NOTES BY SYMBOL:

- ① OVERHEAD DOOR MOTOR AND START/STOP/REVERSE CONTROLLER TO BE PRICED AS ALTERNATE #2. PROVIDE SEPARATE PRICE FOR ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE OVERHEAD DOOR MOTOR AND START/STOP/REVERSE CONTROLLER. ALL WIRING, INT CONDUIT, CIRCUITING, AND CIRCUIT BREAKER TO BE INCLUDED IN BASE BID.
- ② 5'X5' SCALE. FIELD COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN OF EQUIPMENT DISCONNECT AND CIRCUITING.
- ③ CONTROL EXTERIOR LIGHTING THRU TIME CLOCK AND PHOTOCELL.
- ④ COORDINATE FINAL LOCATION AND ROUTING OF NEW UNDERGROUND SERVICE CONDUCTORS WITH UTILITY COMPANY, OWNER, AND FIELD CONDITIONS. NEW 480 VOLT, 3 PHASE, 4 WIRE SERVICE TO BE FED FROM NEW POLE AND NEW UTILITY TRANSFORMER APPROXIMATELY 52' AWAY FROM THE BUILDING LOCATED ON HILL ROAD.
- ⑤ TRANSFORMER TO BE WALL MOUNTED ABOVE PANELS. PROVIDE MANUFACTURER APPROVED MOUNTING BRACKETS FOR TRANSFORMER. SIZE APPROPRIATELY FOR WEIGHT AND SIZE.

1 ELECTRICAL - NEW WORK POWER/LIGHTING PLAN  
SCALE: 1/4" = 1'-0"

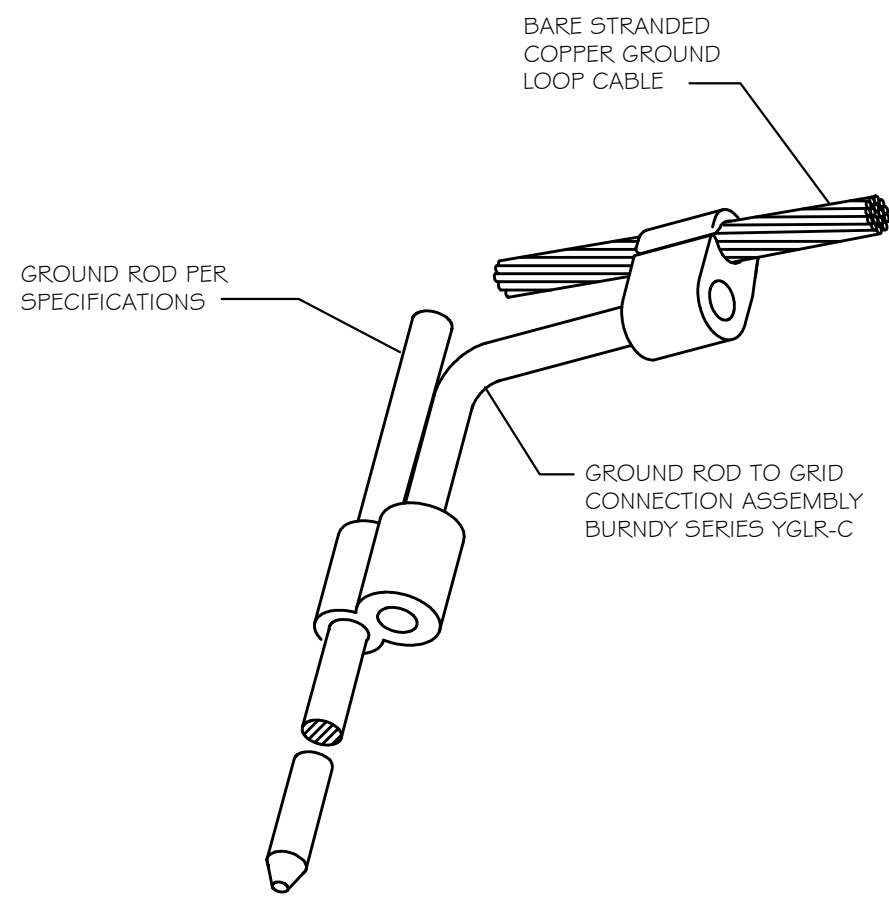






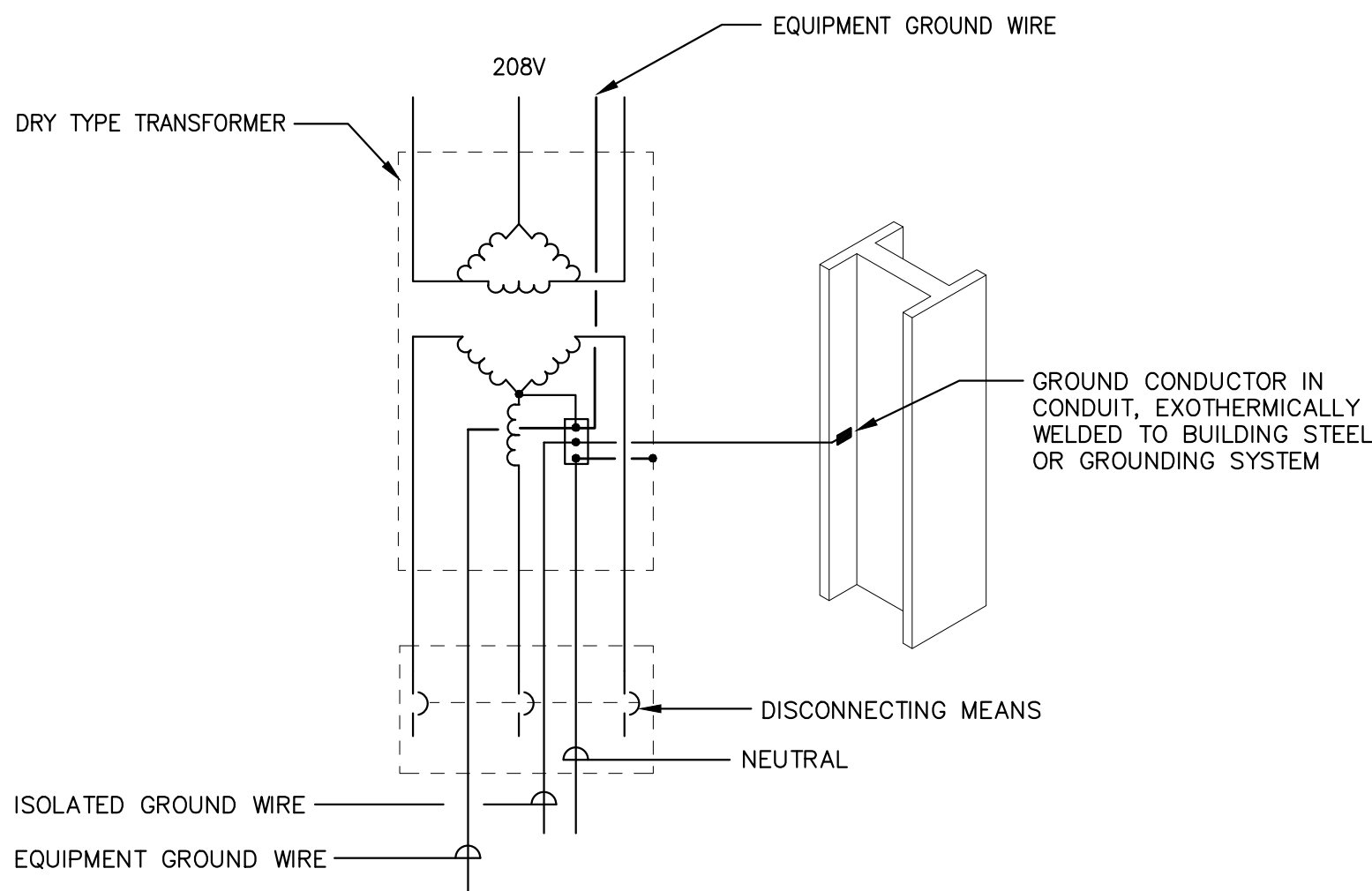
1 TYPICAL CABLE TO CABLE DETAIL

NOTES:  
1. COORDINATE CONNECTOR SIZE WITH CABLES BEING CONNECTED.

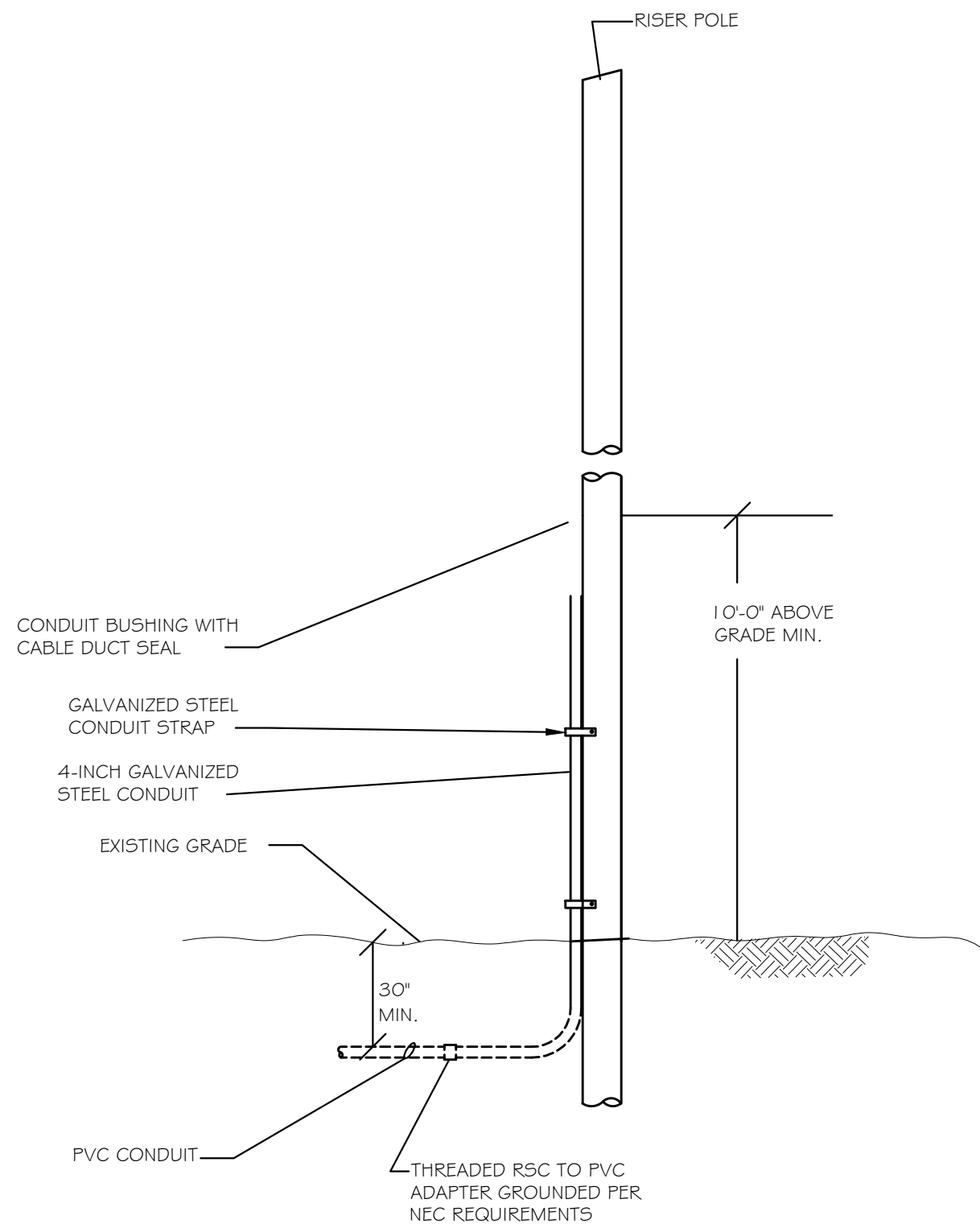


4 TYPICAL CABLE TO GROUNDING ROD DETAIL

NOTES:  
1. COORDINATE CONNECTOR SIZE WITH GROUND CONDUCTOR BEING CONNECTED TO.

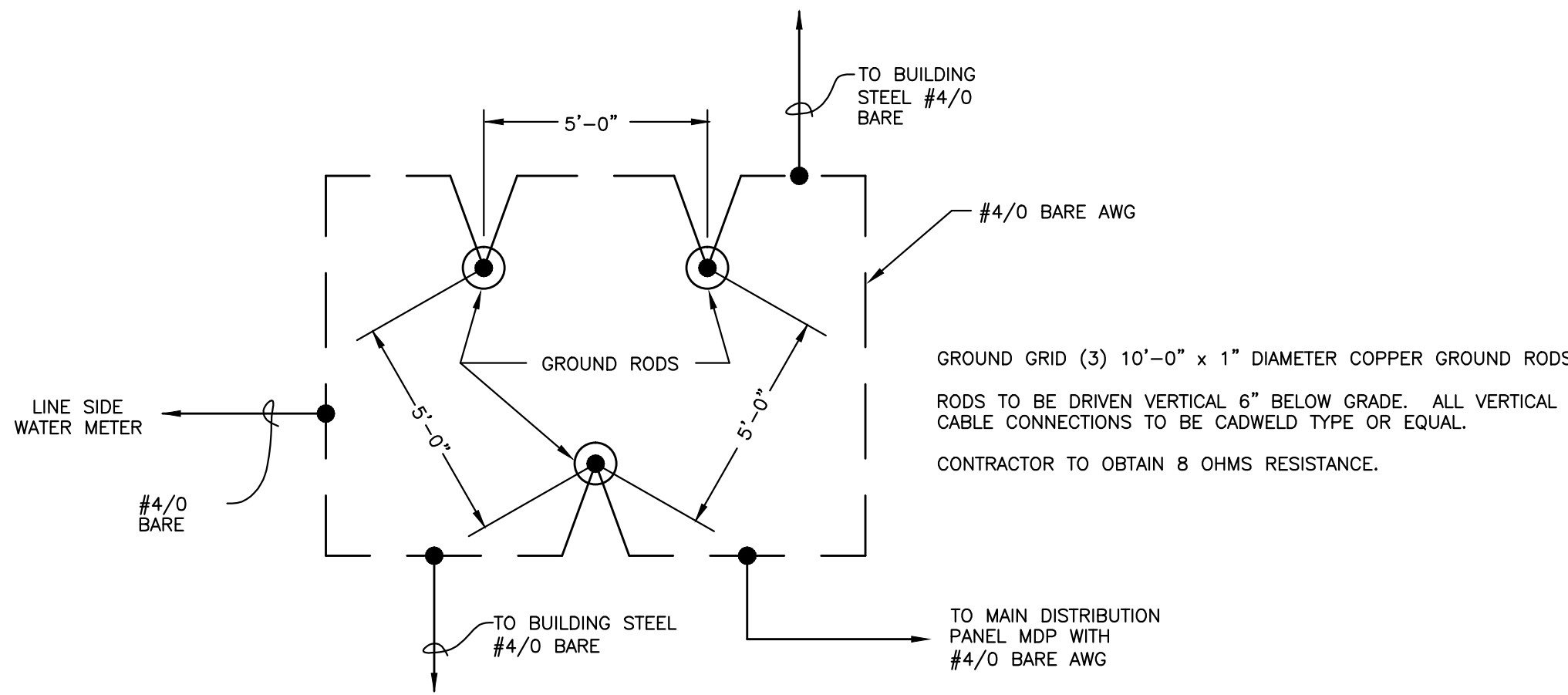


6 TRANSFORMER GROUNDING DETAIL

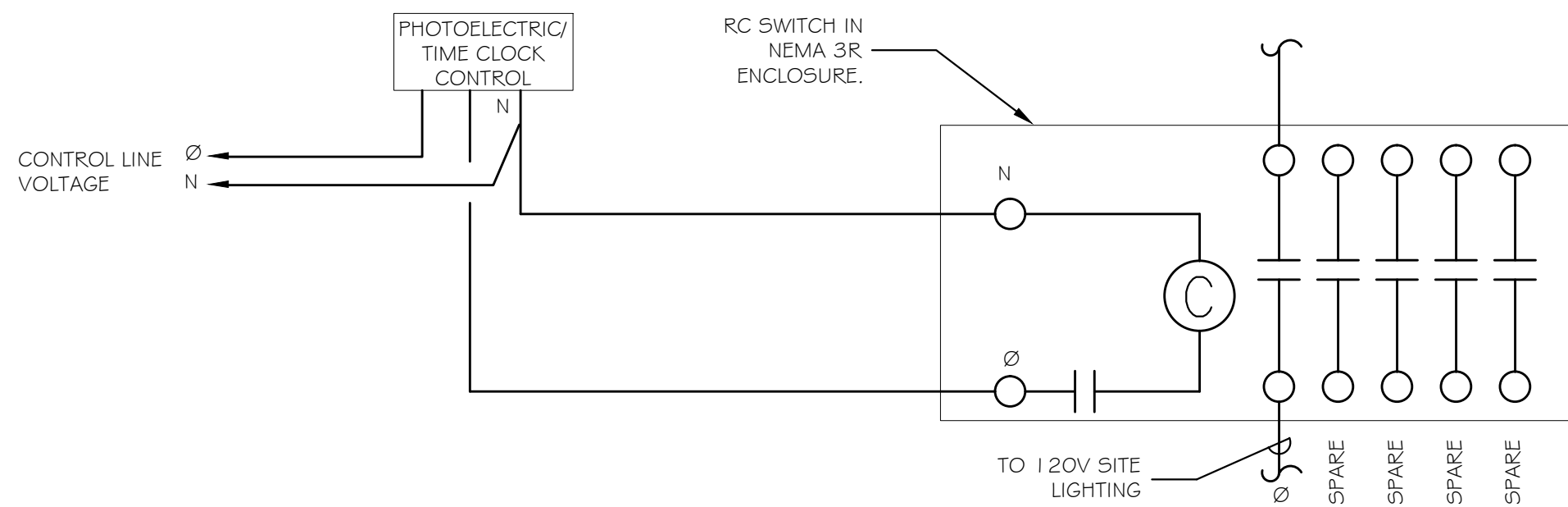


2 ELECTRICAL SERVICE RISER POLE DETAIL

NOTE:  
1) GROUND RIGID STEEL CONDUIT AS REQUIRED PER NEC.



3 GROUNDING GRID DETAIL



5 SITE LIGHTING CONTROL DETAIL



